

**ABSTRACT**

**An optical film for a liquid crystal display of the invention**  
5 **laminated a polarizing plate and a retardation film so that an**  
**absorption axis of the polarizing plate and a slow axis of the**  
**retardation film are perpendicular or parallel to each other,**  
**wherein the polarizing plate comprises a transparent protective**  
**film on both surfaces of a complex type scattering-dichroic**  
10 **absorbing polarizer including a film that has a structure having a**  
**minute domain dispersed in a matrix formed of an optically-**  
**transparent water-soluble resin including an absorbing dichroic**  
**material, and the transparent protective film satisfies that an in-**  
**plane retardation  $Re_1 = (n_{x1} - n_{y1}) \times d_1$  is 10 nm or less and a**  
15 **thickness direction retardation  $R_{th} = \{(n_{x1} + n_{y1})/2 - n_{z1}\} \times d_1$  is**  
**in the range of from 30 nm to 100 nm; and the retardation film**  
**satisfies that an Nz value represented by  $Nz = (n_{x2} - n_{z2})/(n_{x2} -$**   
 **$n_{y2})$  is in the range of from 0.1 to 0.8 and an in-plane retardation**  
 **$Re_2 = (n_{x2} - n_{y2}) \times d_2$  is in the range of from 60 to 300 nm. The**  
20 **optical film for a liquid crystal display has a high contrast ratio**  
**over a wide range, a high transmittance, and a high degree of**  
**polarization and in which uneven transmittance can be suppressed**  
**when black viewing is displayed, and capable of realizing a better**  
**view in a case where the optical film is applied to a liquid crystal**  
25 **display driving in IPS mode.**